

ABSTRACT

5 A method and apparatus for readily and reliably
screening olfactory mucosa stimulating compounds are
provided. An olfactory mucosa stimulating compound is
sprayed through an atomizing nozzle 33 to an olfactory mucosa
of a rat fixed in a test animal fixing device 32. A measuring
electrode portion 10 is implanted in an olfactory bulb of
the rat for measuring an electrical signal generated in the
10 olfactory bulb. Efficacy of the olfactory mucosa
stimulating compound is determined based on a correlation
between an electrical signal measured by the measuring
electrode portion 10 when the olfactory mucosa stimulating
compound is sprayed on the olfactory mucosa of the rat and
15 a physiological response induced in the rat.